

Patent Claims

1. An electrical or electromechanical hold-open device for doors, which is disposed within a sliding rail (1), the sliding rail comprising at least one lower chamber (3) and at least one upper chamber (2), a power supply unit (4) being embedded in the upper chamber (2) and, in the lower chamber (3) a slide member (7) with a holding mechanism (8) being displaceable and a retaining mechanism (9) being disposed therein, and the retaining mechanism (9) being in operative connection with the power supply unit (4).

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2. An electrical or an electromechanical hold-open device according to claim 1, wherein the power supply unit (4) presents two parallel conductor lines (5).

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3. An electrical or an electromechanical hold-open device according to one of the preceding claims, wherein two especially spring-loaded contact pins (11) cooperating with the two conductor lines (5) are provided at the retaining mechanism (9).

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4. An electrical or an electromechanical hold-open device according to claim 1, wherein the slide member (7) together with the holding mechanism

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(8) and the retaining mechanism (9) is displaceable in the longitudinal direction of the sliding rail (1).

- 5 5. An electrical or an electromechanical hold-open device according to claim 1, wherein the power supply unit (4) extends over a partial length of the sliding rail (1) only.
- 10 6. An electrical or an electromechanical hold-open device according to one of the preceding claims, wherein the power supply unit (4), at one end, presents a stopper (6) for the retaining mechanism (9).
- 15 7. An electrical or an electromechanical hold-open device according to one of the preceding claims, wherein the holding mechanism (8) protrudes from the slide member (7) and plunges into the retaining mechanism (9) for holding the door open, and is retained therein by the retaining mechanism (9) being in the energized state.
- 20 8. An electrical or an electromechanical hold-open device according to one of the preceding claims, wherein the holding mechanism (8) presents an undercut pin.

9. An electrical or an electromechanical hold-open device according to one of the preceding claims, wherein, between the stopper (6) and the retaining mechanism (9), a contact force can be generated e.g. by magnets, which is greater than the latching force with which the holding mechanism (8) penetrates the retaining mechanism (9).
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10. An electrical or an electromechanical hold-open device according to one of the preceding claims, wherein a contact force between the retaining mechanism (9) and the slide member (7) can be generated e.g. by magnets.
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